<b>Work Orde</b> September-11-13	r <b>ID 106668</b> 11:18:01 AM			*106	3668*						Page 1
Item ID:	D3017-11			Accept	*N900	<b>040</b>	100	)*	Setup Sta	1.71	S1*
Item Name:	Cap			t.					Sto	<sup>p</sup> *N	S2*
Required Date: 9	9/11/13 Start Qt; 9/11/13 Req'd Q		*B* *G*	*40*	Cust Item I Customer:	D:					
	Process Plan:M		Date: \3-99-			ate:		I	Run Sta Sto	ь <b>і/</b> І	R1* R2*
Sequence ID/ Work Center ID	Operatio Descripti			Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								-		
D3017	Rev B										
100 *100*	FLOW WA	TER JET		0.00				40	D		Ac
Waterjet FLOW CNC Waterjet	t .	Memo 1-Cut as per Dwg Rev: Prog Rev:	3	0.00							Ac 13.10.0
.*		2-Deburr if n	ecessary								
*110 *110*	QC2- Inspe	ct parts off ma	achine FAI/FAIB	0.00				Ma.			1.
QC Ouglity Control		Memo		0.00				_40			13.10.0

Quality Control

										DQA:	Date:	
NCR: Y	es / No				WORK ORDER NON-O	CON	FORN	MANCE / UPDATE	,	QA Closed:	Date:	at .
Work Orde	r·				DISPOSITION			AGAINST I	PROCESS			
Part No	o				Rework Scrap Use-as-is Work Order Update		N Therm	Skid-tube Crosstube Machining Small Fab noforming Finishing Large Fab Composite			Water Jet J. Eng. Coor. e/Packaging Supplier	Engineering Quality Other
Root				Descri	ption of work order update	Ini	itial	Action		Sign &		
Cause	Date	Step	Qty	,	or Non-conformance	Chie	f Eng	Description		Date	Verification	QC Inspector
Doc/Data												
quip/Tooling												
Operator						ĺ						
Material												
Setup				1								
Other												
rocess												
Supplier		1	Ì	, ,					- 1			
Fraining				`		1						
Jnapproved								_				
					F	AULT	CATE	GORY			<u> </u>	
Landin	g Gear				General			•	<del></del>			-
	Bending				Bend		arain	<u> </u>	$\sqcup$	Ovalized		Pressure/Forced
L	Centre No	ot Conce	ntric to	o/s	BOM/Route	∐⊬	lardwa	re .	$\Box$	Over/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged	<u> </u>  '	nspecti	on incomplete		Part Incorrec	t	Weld
[	Crushed/	Crimped			Burrs		nstruct	ions Incomplete/Unclear		Part Lost/Mi	ssing	Wrong Stock Pulled
. [	Cuffs				Contamination		∕lainte	nance		Part Moved		
Γ	Heat Trea	at			Countersink	1	∕lislabe	led		Positioned W	/rong	

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Cut Too Short

Drill Holes

Drawing

Finish Folio Power Loss/Surge

Other

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

## \*106668\*

Page 2

September-11-	13 11:18:01 /	4 <i>M</i>		1176	าททก		<u>.</u> .					1 ag	
Item ID: Revision ID:	D3017-11			Accept	*N900	040	100	<b>)*</b> s	etup	Start Stop	IVI	S1*	
Item Name:	Cap									этор	^N	S2*	
Start Date:	9/11/13	Start Qty: 6.00		3* ·	Cust Item I	D:							
Required Date	<b>::</b> 9/11/13	Req'd Qty: 6.00	*6	<b>3</b> *	Customer:								
Reference:							_	TC.	tun	Start			
Approvals:	Process Pl	an:	_ Date:	Tooling:	Da	ate:		г			*N	R1*	*
	QC:		Date:	<b>SPC (Y/N):</b>	Da	ate:				Stop	*N	R2*	ř.
Sequence ID/ Work Center	ID	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reje Qty		Reject Number	Insp. Stamp	
120		QC8- Inspect parts - sec	ond check	0.00	•			_				DA	S
*120* QC Quality Control		Memo		0.00					(S)	134	001	<b>O</b> S	<b>3</b> 9
130				0.00									
*130*		Packaging						9	٥ 	a	13-1	10-10	
Packaging Packaging		Memo Identify and Location: <u>U</u>	l bag with light oil	0.00 (Vactra oil #2), then Stock									
140		QC21- Final Inspection	- Work Order Rele	ase 0.00				1/6	m	13/10	n/10 ·		
*140* QC Quality Control		Memo		0.00				J.J.K			mF	15 N	<b>D</b>

DQA:	Date:	

NCR: Yes / No

## **WORK ORDER NON-CONFORMANCE / UPDATE**

***								•		QA Closed:	Date	e:
Work Orde	֥				DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Part No					Rework Scrap	]   	Skid-tube Crosstube  Machining Small Fab  Thermoforming Finishing		Small Fab	Water Jet Prod. Eng. Coor. Rec/Store/Packaging		Engineering Quality Other
NCR N	o				Use-as-is Work Order Update			Large Fab	Finishing Composite	Rec/Stor	Supplier	- Other
Root				Descri	ption of work order update	Ini	itial	Ac	tion	Sign &		
Cause	Date	Step	Qty	(	or Non-conformance	Chie	ef Eng	Desc	cription	Date	Verification	QC Inspector
Ooc/Data Equip/Tooling Operator Material Setup Other Process Supplier Fraining Unapproved												
опаррі отсо		<b>1</b>	1		. F	AULT	CATE	GORY				
Landin	g Gear				General							
-	Bending Centre No Cracks Crushed/ Cuffs Heat Trea	Crimped		o/s	Bend BOM/Route Broken/Damaged Burrs Contamination Countersink		nstruct	ion Incomplete ions Incomplete/ enance	'Unclear	Ovalized Over/Under Part Incorred Part Lost/Mi Part Moved Positioned V	ssing	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled
<u></u>	Inspectio		Tube		Cut Too Short	-	Misread			Power Loss/		Other
<u> </u>	Ripples in				Drill Holes	$\mathbf{H}$	Offset	-	<u> </u>	1. 2 50334.	o- <u>L</u>	1-4.10.
-	Torque W		Extrusio	<sub>n</sub>	Drawing	$\vdash$		Calibration				
<u> </u>	Turning S				Finish	-		Sequence				
ŀ	Wave/Tw	-			Folio	-		Dimensions				

## **Picklist Print**

September-11-13 11:18:00 AM

Work Order ID:

106668

Parent Item:

Comments:

D3017-11

Parent Item Name:

Cap

**Start Date:** 9/11/13

Required Date: 9/11/13

Page 1

Start Qty: 6.00

Required Qty: 6.00

124283 -- .13

verified by ILM

IPP Rev:A 08-04-14 now on water jet DD verified by:EC

IPP RevB: as per revB DD

99.05

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
<b>M4130NS.049</b> 4130 Sheet .049		Purchased	No			100	sf	120.5903	0.004	<del>- 0.025</del> 263		le 13	٥٠٥١،
				<b>Location</b>		Loc Qty	Lo	c Code					*
				MAT020		120.590263							
				11612	2	4.2							
				12304	19	17.340263							

124283

											DQA:	Date:	
NCR:	Yes	/ No				WORK ORDER NON-C	10	NFORM	AANCE / UP	DATE			
											QA Closed:	Date:	
Work Orde	oż.					DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
WORK OTCH	ei					Rework			Skid-tube	Crosstube	1	Water Jet	Engineering
Part N	No.					Scrap			Machining	Small Fab	Pro	d. Eng. Coor.	Quality
	-		····			Use-as-is		Thermoforming Finishing		Finishing	Rec/Sto	re/Packaging	Other
NCR I	No.					Work Order Update		,	Large Fab	Composite	]	Supplier	
	— ү				<u></u>			L					T
Root						ption of work order update		nitial		tion	Sign &		
Cause	. 1	Date	Step	Qty	(	or Non-conformance	Ch	ief Eng	Desci	ription	Date	Verification	QC Inspector
Doc/Data	Ш												
Equip/Tooling	Ш												
Operator	Ш					•					].		
Material		!		١,									
Setup	Ш					·							
Other	Ц									•		٠	
Process	Ш						ŀ						
Supplier	Ш					•					:		
Training	Ц												
Unapproved						· · · · · · · · · · · · · · · · · · ·	L		i			<u> </u>	
							AUL	T CATE	GORY				
Landi					_	General		1		<del></del>	1		1
	$\boldsymbol{\vdash}$	Bending			<u> </u>	Bend	_	Grain	•	_	Ovalized	_	Pressure/Forced
	1	Centre No	ot Concer	ntric to	o/s	BOM/Route		Hardwa		,	Over/Under		Temperature/Cure
	$\vdash$	Cracks			<u> </u>	Broken/Damaged	<u> </u>	4 `	on incomplete	· <u> </u> _	Part Incorre		Weld
	-	Crushed/	Crimped		L	Burrs		-1	ions Incomplete/	Unclear	Part Lost/Mi	ssing	Wrong Stock Pulled
	Ш	Cuffs			<u> </u>	Contamination		Mainte			Part Moved		
	Ш	Heat Trea	it			Countersink	L	Mislabe	led		Positioned V		1
l	1 1	Inspection	n Strip in	Tube		Cut Too Short		Misread	i	1	Power Loss/	Surge	Other

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

Folio

DART AEROSPACE LTD	Work Order:	106668
Description: End Cap	Part Number:	D3017-11
Inspection Dwg: D3017 Rev: B		Page 1 of 1

## FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.750	+0.008/-0.001	.752	-		v	UKM -01
0.049	+/-0.010	1053			V	
		:				
	4					
	· · · · · · · · · · · · · · · · · · ·					
						1

	nAc.	
Measured by:	Audited by: 09	Preliminary Approval:
Date: 13.10.01	Date: 13-10.01	Date:

Rev	Date	Change	Revised by	Approved	
Α	08.10.09	New Issue	KJ/DD 0		/
В	12.10.04	Dwg Rev updated	KJ 🥍	1-/ d/	







